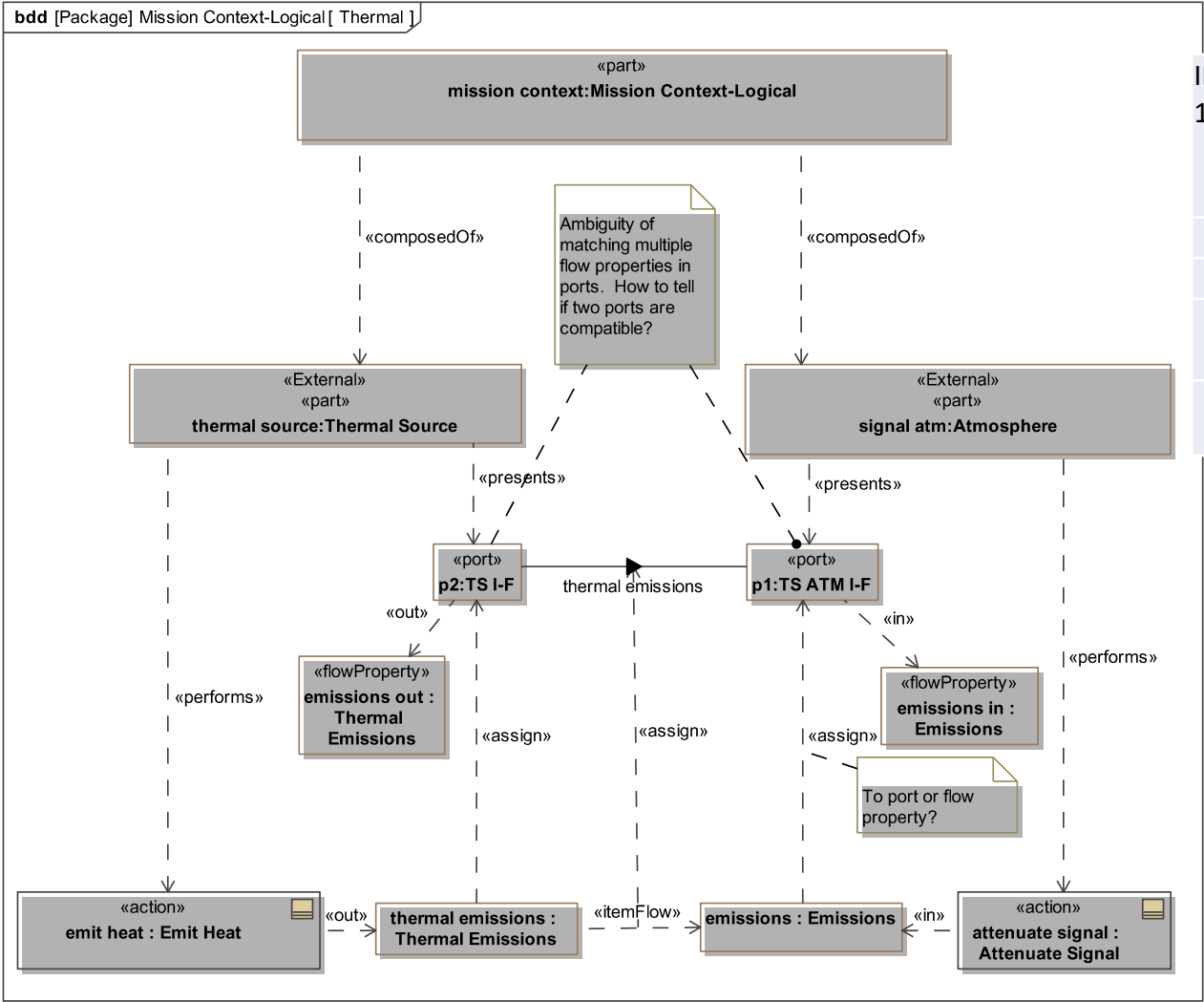


Usage Focused Interfaces

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Functional Exchange



INF
1.10

Allocating
Functional
Exchange to
Interfaces

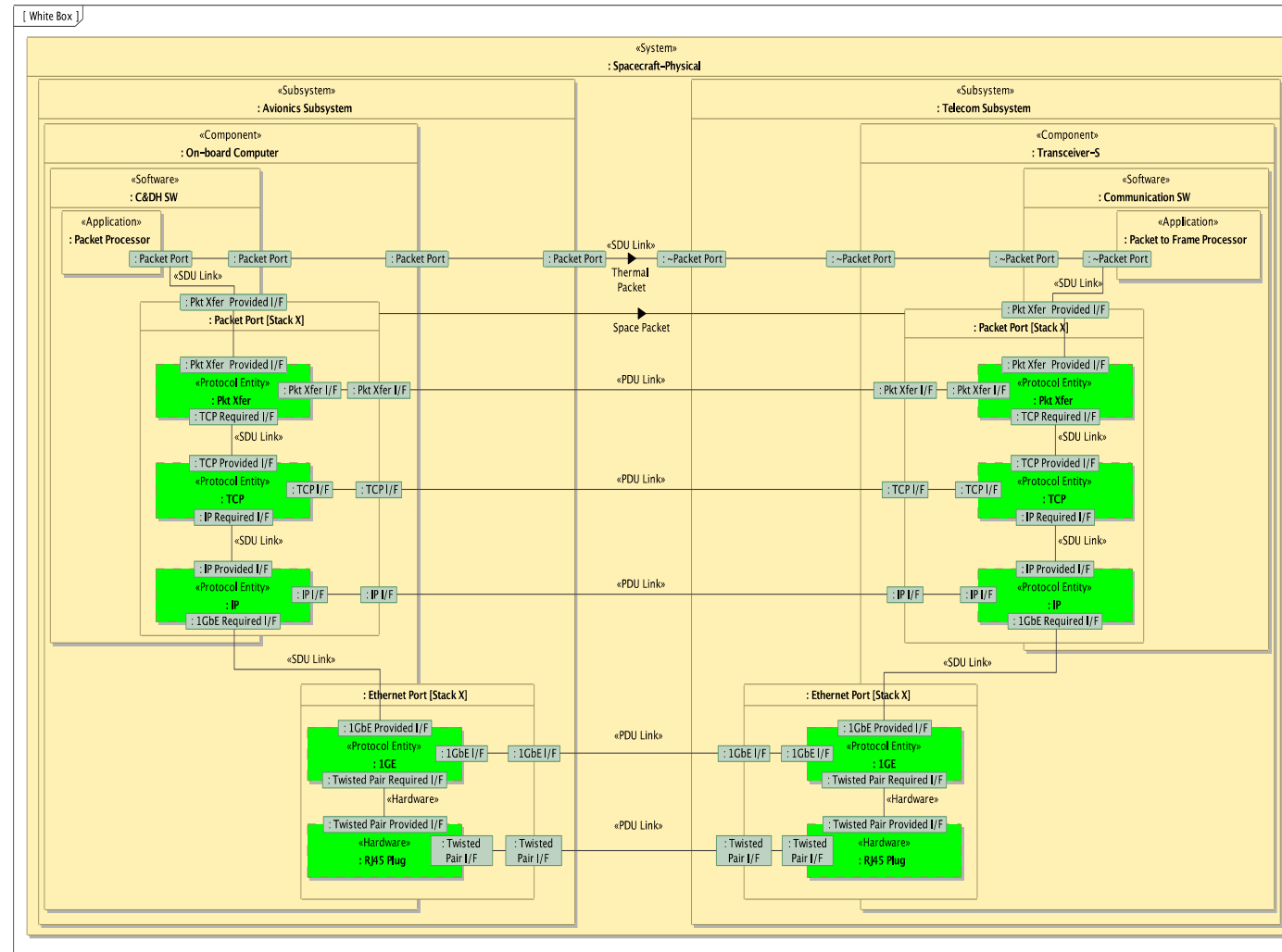
Proposals for SysML v2 shall provide the capability to allocate or bind the outputs and inputs of a function to interface ends (or nested interface ends).

Supporting Information:

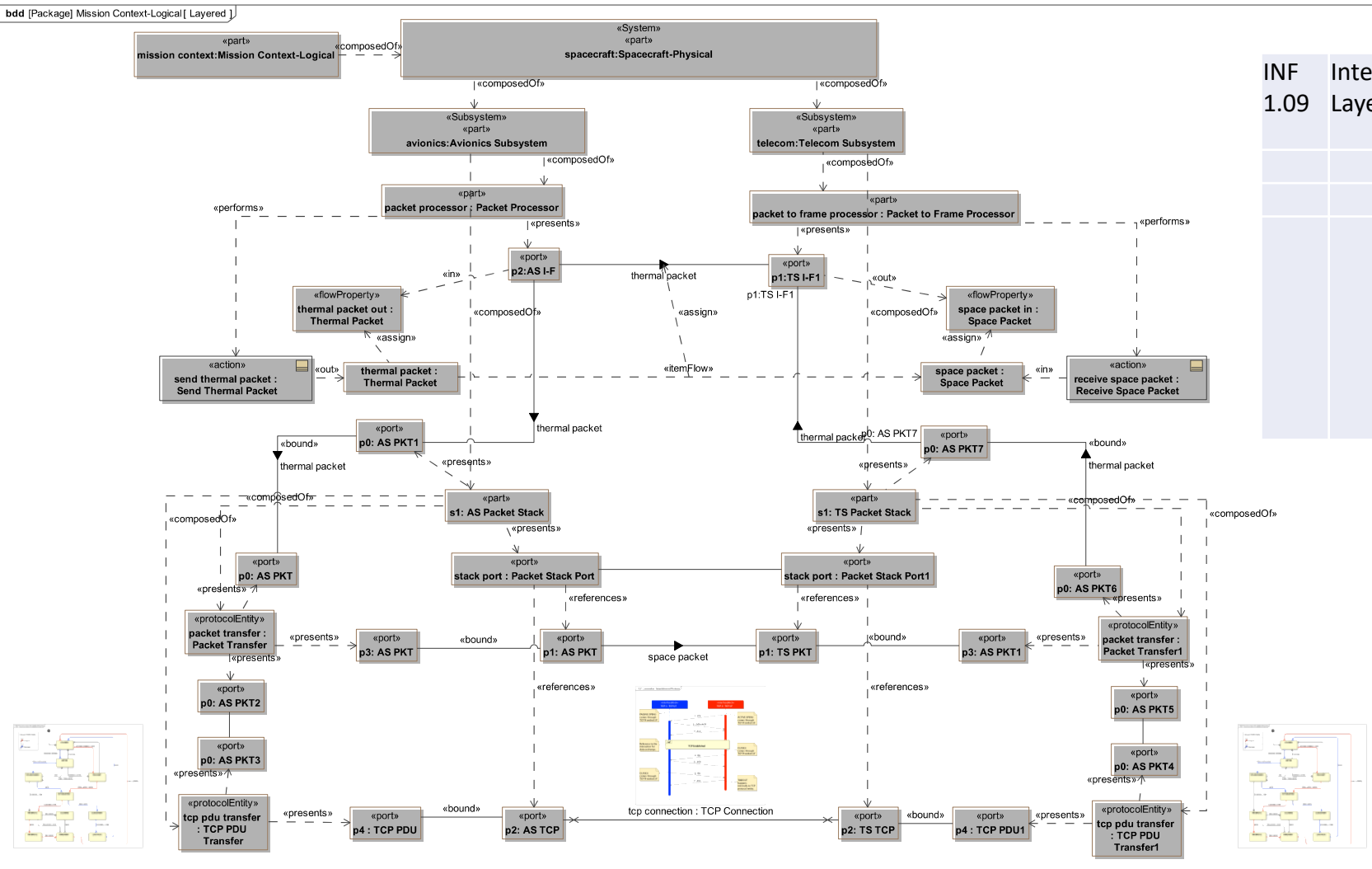
It is expected that there are validation rules to ensure consistency between the inputs and outputs of a function and the interface ends.

This allocate or binding should be inherited by the Component subclasses.

Layered Interface Example SysML 1.x



Layered Interface Example SysML 2.0



INF
1.09

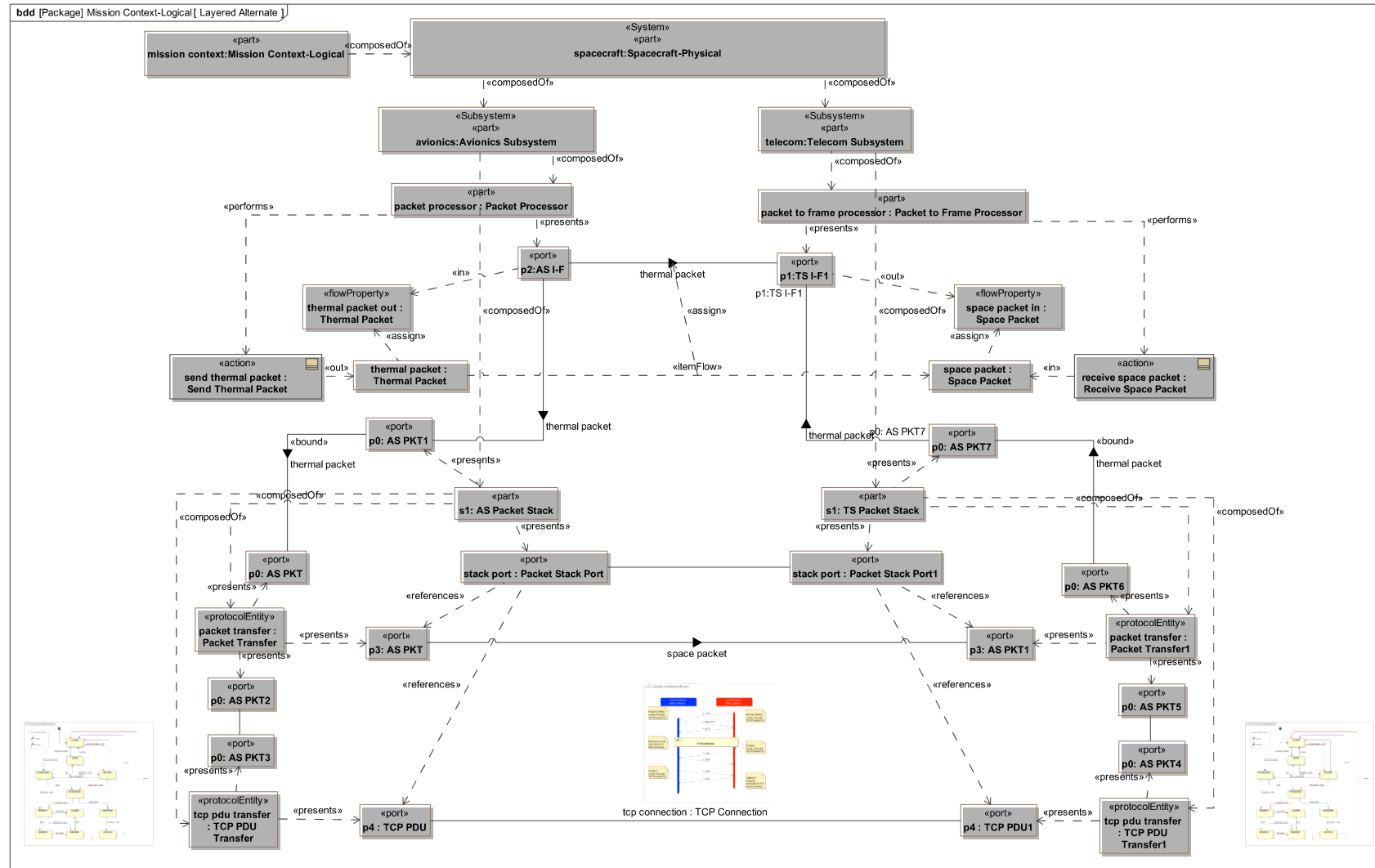
Interface
Layers

Proposals for SysML v2 shall provide the capability to represent interfaces between layers of an interface stack.

Supporting Information:

A layer of a stack can be represented as a component. A layer in a stack transforms the data to match the input to the adjacent layer. For example, an application layer may correspond to a component that transforms packets to match the TCP layer, and the TCP layer may correspond to a component that transforms the data to match the IP layer.

Layered Interface Example SysML 2.0 - Alt



Behavior Linked to Interfaces

bdd [Package] Mission Context-Logical [Behavior]

